

APPENDIX A

Data Transfer Request (DTR) File -- for use with X_ETL_DEFINEREC

/* General notes:
* 1. The DTR file is comprised of DTR commands that define the data transfer between
* the GCOS and Unix machines in behalf of the RDBC utilities running on Unix.
* 2. A DTR command may be expressed on a single line or across multiple lines.
5 * An individual token within a DTR command may not be split across
* multiple lines. Multiple DTR commands on the same line is not supported.
* 3. Supported DTR commands: OPTION and RECORDFORMAT.
* 4. Required Order of DTR commands: OPTION (if present),
* followed by RECORDFORMAT.
10 * 5. RECORDFORMAT field requirements: All fields of data record must be
* explicitly defined.
*/

15 <OptionCmd> ::= OPTION <OptionStmt> [<OptionStmt>...];

<OptionStmt> ::= <ConvStmt> | <IndStmt> | <ByteflipStmt>

<ConvStmt> ::= -CONVERT {YES|NO} /* default is YES */

<ByteflipStmt> ::= -BYTEFLIP {YES|NO} /* default is YES */

20 <IndStmt> ::= -INDICATORS {YES|NO} | <NumIndBits> /* default is NO */

<NumIndBits> ::= /* integer value indicating number of Indicator bits */

25 /* Miscellaneous notes:

* 1. "-INDICATORS YES" implies that the number of Indicator Bits is
* the number of <FieldDesc> fields contained in the RECORDFORMAT command.

*/

30 /*-----*/

<RecFormatCmd> ::= RECORDFORMAT <FieldDesc> [,<FieldDesc>...];

<FieldDesc> ::= <fieldname> (<datatype>)

35 <fieldname> ::= /* alpha-numeric string indicating name of record field */

<datatype> ::= BYTE (n) | BYTEINT | CHAR (n) | DATE | DECIMAL (x)
40 DECIMAL (x,y) | FLOAT | GRAPHIC (n) | INTEGER | LONG VARBYTE |
LONG VARCHAR | LONG VARGRAPHIC | SMALLINT | VARBYTE (n) |
VARCHAR (n) | VARGRAPHIC (n)

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```
/* Miscellaneous notes:  
 * 1. Data types LONG VARBYTE and LONG VARCHAR imply a maximum  
 * length of 64000 1-byte elements (64000 bytes).  
 * 2. LONG VARGRAPHIC implies a maximum length of 32000 2-byte  
5 * elements (64000 bytes).  
 * 3. All tokens comprising an individual <FieldDesc> must be contained on  
 * the same line.  
 */
```

09896200 "092900